

CLAIMS

1. (Previously Presented) A rechargeable electronic device system, comprising:

a charging device, the charging device comprising an upper base, a lower base, at least one outer wall connecting the lower base to the upper base and at least one inner wall extending from the upper base towards the lower base, wherein the at least one inner wall does not contact to the lower base and wherein at least one laser source is disposed in the upper base; and

a rechargeable electronic device mounted in the charging device, the rechargeable device comprising a rechargeable battery and at least one photovoltaic receptor, the at least one laser source for emitting light between the at least one outer wall and the at least one inner wall, wherein the at least one laser is aligned with the at least one photovoltaic receptor such that the at least one laser source emits laser light to the at least one photovoltaic receptor and the at least one photovoltaic receptor converts the laser light to energy used to recharge the rechargeable battery.

2. (Original) The rechargeable electronic device system of claim 1, wherein the rechargeable battery is at least one of a NiCd rechargeable battery, a NiMH rechargeable battery and a lithium-based rechargeable battery.

3. (Original) The rechargeable electronic device system of claim 1, wherein the at least one photovoltaic receptor is tuned to a wavelength of laser light emitted by the at least one laser source.

4. (Original) The rechargeable electronic device system of claim 1, wherein the rechargeable

electronic device comprises a battery management circuit that regulates charging of the rechargeable battery.

5. (Original) The rechargeable electronic device system of claim 1, wherein the rechargeable electronic device comprises a DC to DC voltage regulating circuit that provides constant DC voltage to components of the rechargeable electronic device.

6. (Original) The rechargeable electronic device system of claim 1, wherein the rechargeable electronic device is a wrist watch.

7. (Original) The rechargeable electronic device system of claim 6, wherein the wrist watch comprises:

a watch face; and

a bezel disposed around the watch face, the at least one photovoltaic receptor being arranged on a top surface of the bezel.

8. (Original) The rechargeable electronic device system of claim 7, wherein the photovoltaic receptors are arranged in semicircular patterns on the top surface of the bezel.

9. (Original) The rechargeable electronic device system of claim 6, wherein the wrist watch includes a communication interface that communicates with other electronic devices.

10-13. (Canceled)

14. (Previously Presented) The rechargeable electronic device system of claim 1, wherein the plurality of walls are opaque.

15. (Previously Presented) The rechargeable electronic device system of claim 1, wherein a gap is formed between the inner wall and the lower base of the charging device such that the rechargeable electronic device can be placed on the lower base between the inner wall and the outer wall.

16. (Original) The rechargeable electronic device system of claim 15, wherein the plurality of walls align the rechargeable electronic device in the charging device such that the at least one photovoltaic receptor of the rechargeable electronic device aligns with the at least one laser source of the charging device.

17. (Original) The rechargeable electronic device system of claim 1, wherein the charging device comprises a switch to activate the laser sources.

18. (Original) The rechargeable electronic device system of claim 17, wherein the switch automatically activates the at least one laser source when the electronic device is mounted in the charging device.

19. (Original) The rechargeable electronic device of claim 16, wherein the rechargeable electronic device is a wrist watch.

20. (Original) The rechargeable electronic device of claim 16, wherein the wrist watch comprises:

a watch face;

a bezel disposed around the watch face, the photovoltaic receptors being arranged on a top surface of the bezel.

21. (Original) The rechargeable electronic device of claim 20, wherein the photovoltaic receptors are arranged in semicircular patterns on the top of the bezel.

22. (Original) The rechargeable electronic device of claim 21, wherein the laser sources are arranged in semicircular patterns that correspond to the semicircular patterns of the photovoltaic receptors.

23. (Previously Presented) A charging device, comprising:

a mounting device; and

at least one laser source that emits laser light to a rechargeable electronic device mounted in the mounting device,

wherein the mounting device comprises:

a lower base;

an upper base, wherein the at least one laser source is disposed on the upper base;

at least one outer wall connecting the lower base to the upper base; and

at least one inner wall extending from the upper based towards the lower base, wherein

the at least one inner wall does not contact to the lower base.

24. (Canceled)

25. (Previously Presented) The charging device of claim 23, wherein each of the plurality of walls comprise:

a plurality of side walls that connect the inner wall to the outer wall.

26. (Canceled)

27. (Previously Presented) The charging device of claim 23, wherein the at least one laser source is disposed on the upper base between the inner walls and the outer walls of the plurality of walls.

28-31. (Canceled)